

6519285

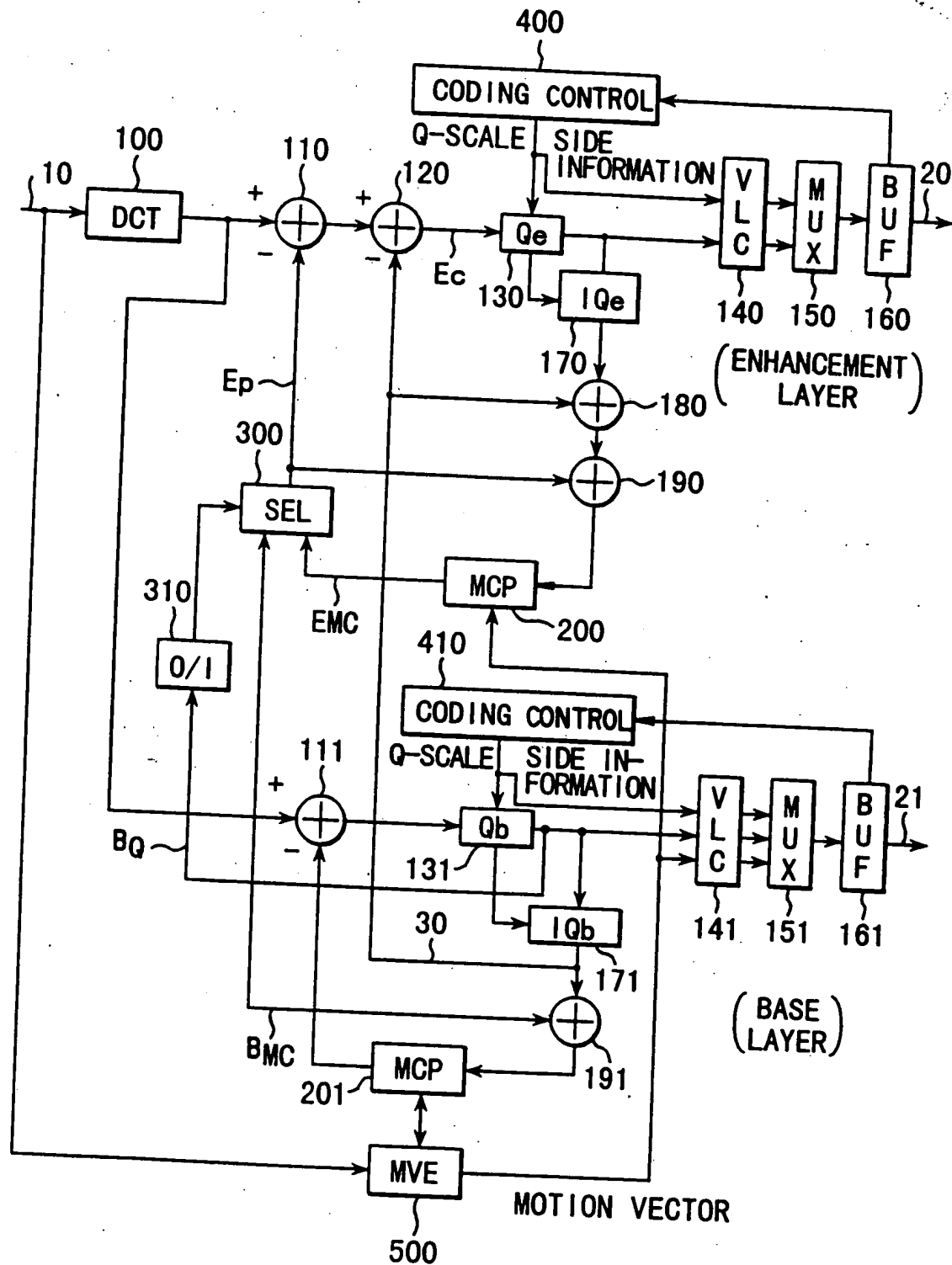


FIG. 1



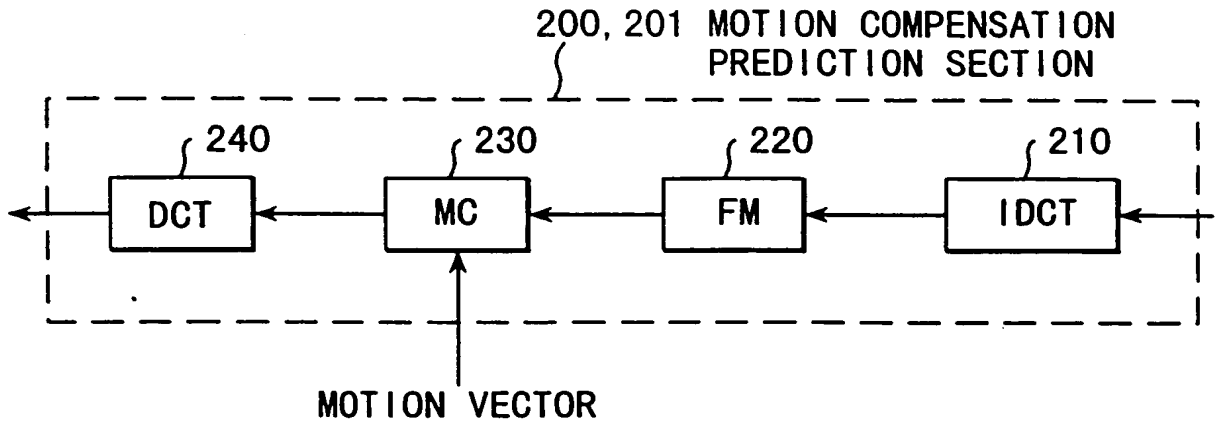


FIG. 3A

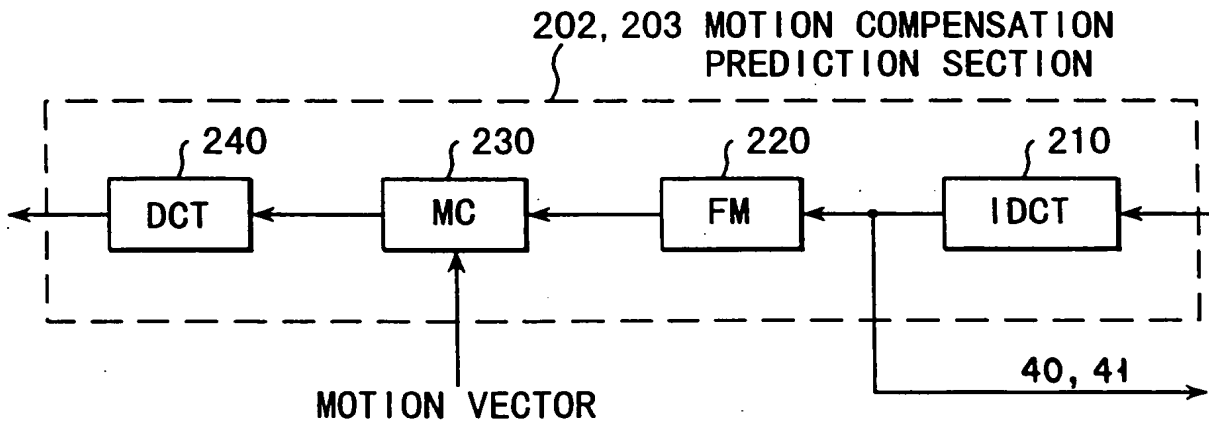


FIG. 3B

102250-64528460

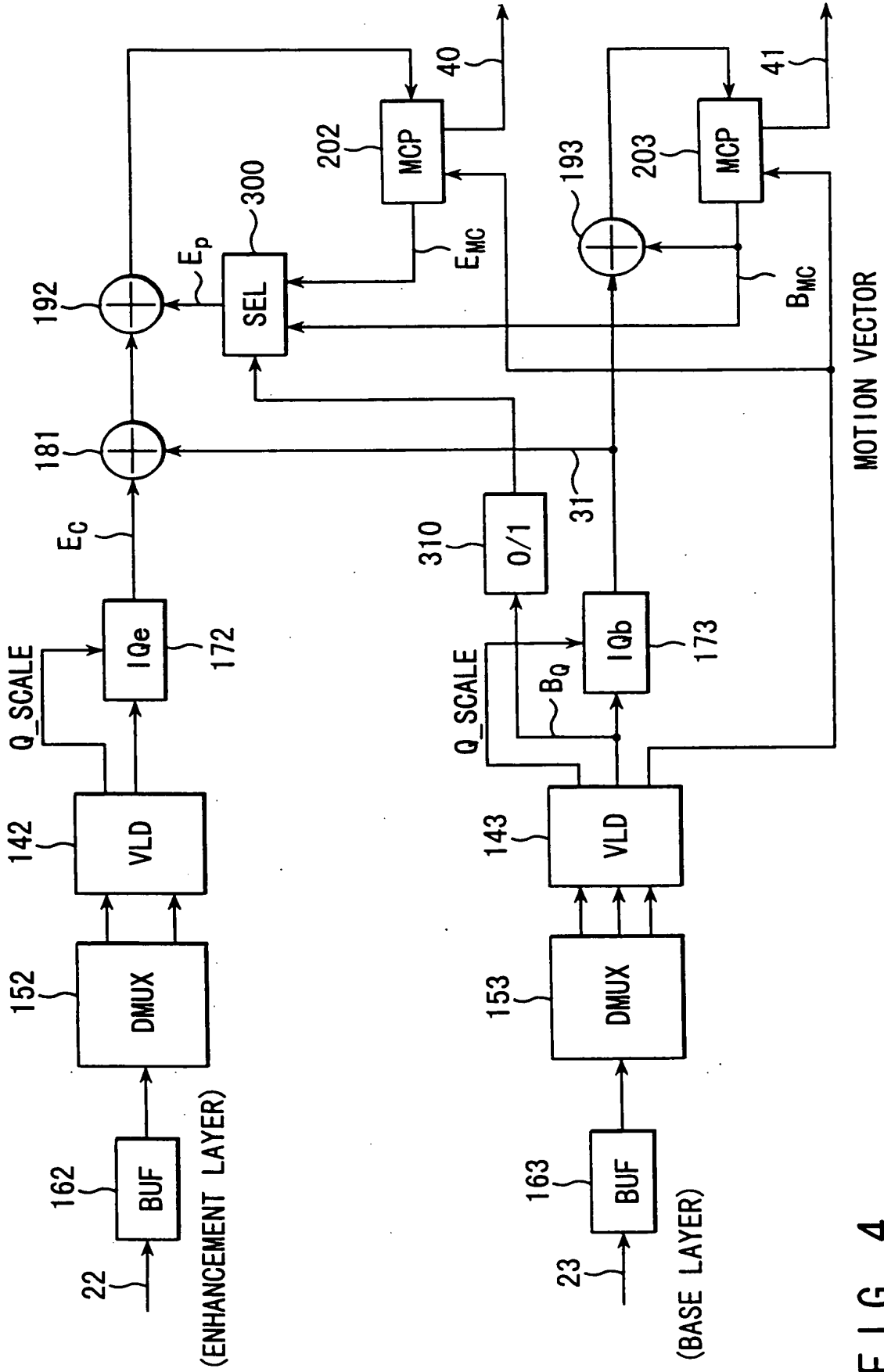


FIG. 4

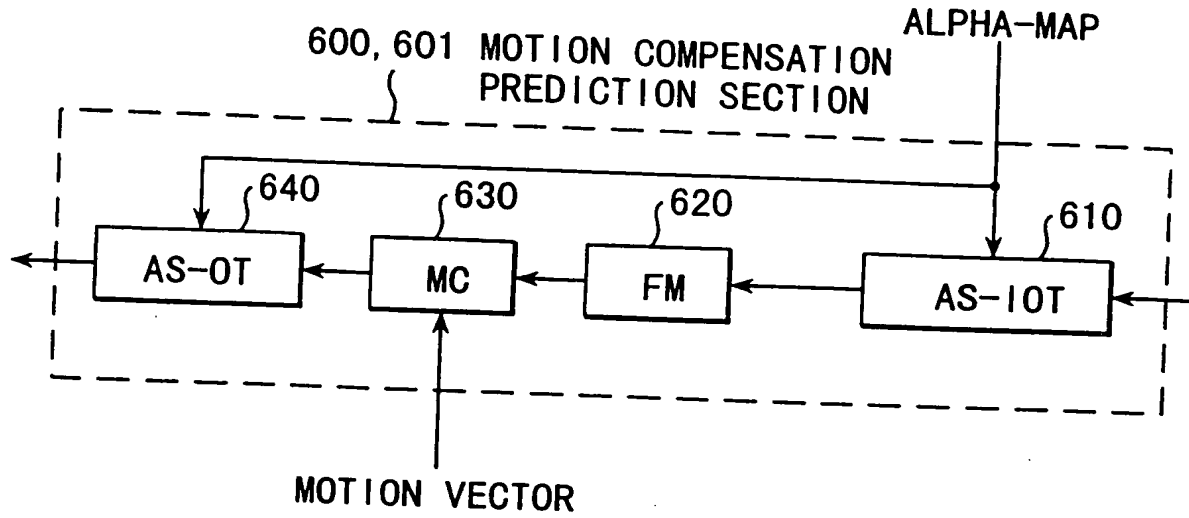


FIG. 6A

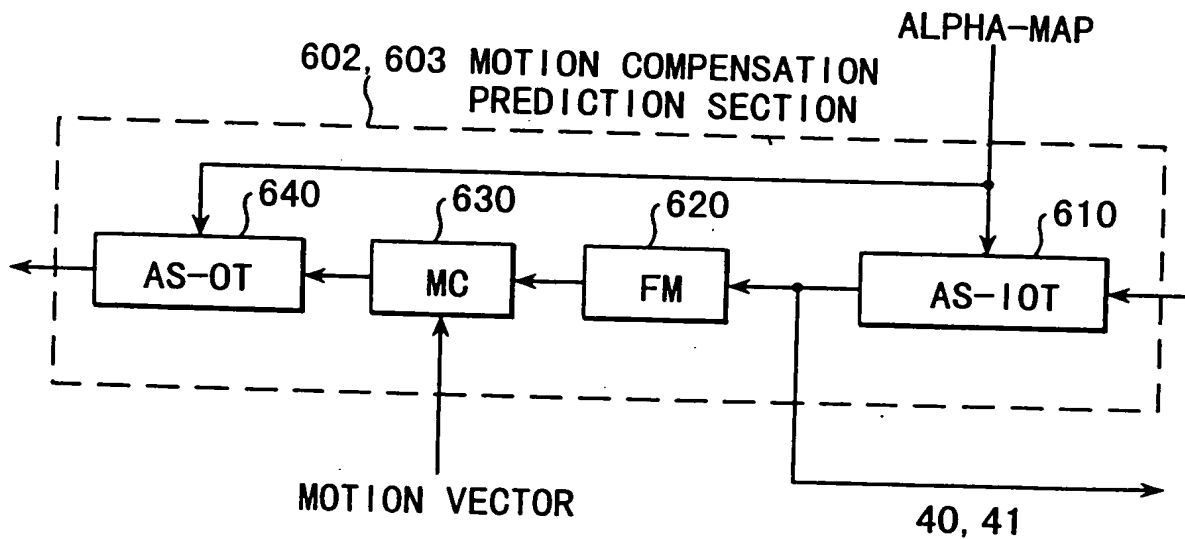


FIG. 6B

202990US-2SRDDIV



FIG. 7

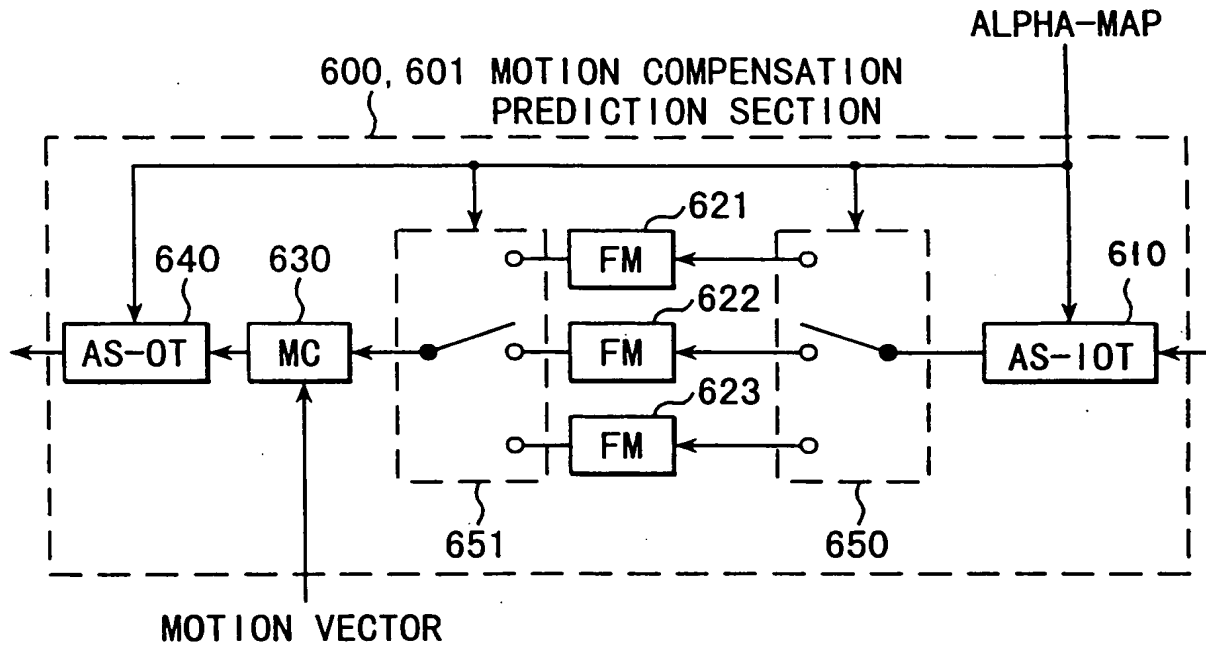


FIG. 8A

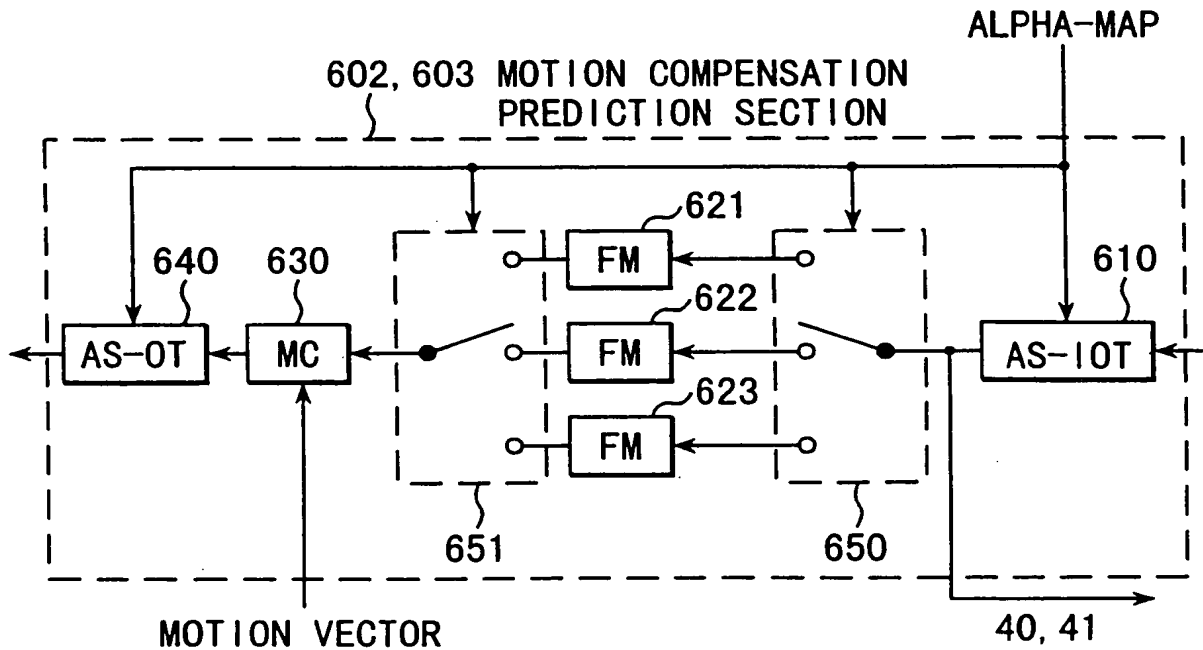


FIG. 8B

0078549 05201

QUANTIZATION MATRIX OF INTRABLOCK

$\begin{smallmatrix} v \\ h \end{smallmatrix}$	1	2	3	4	5	6	7	8
1	8	16	19	22	26	27	29	34
2	16	16	22	24	27	29	34	37
3	19	22	26	27	29	34	34	38
4	22	22	26	27	29	34	37	40
5	22	26	27	29	32	35	40	48
6	26	27	29	32	35	40	48	58
7	26	27	29	34	38	46	56	69
8	27	29	35	38	46	56	69	83

FIG. 9

QUANTIZATION MATRIX OF INTERBLOCK

$\begin{smallmatrix} v \\ h \end{smallmatrix}$	1	2	3	4	5	6	7	8
1	16	17	18	19	20	21	22	23
2	17	18	19	20	21	22	23	24
3	18	19	20	21	22	23	24	25
4	19	20	21	22	23	24	26	27
5	20	21	22	23	25	26	27	28
6	21	22	23	24	26	27	28	30
7	22	23	24	26	27	28	30	31
8	23	24	25	27	28	30	31	33

FIG. 10

EXAMPLE OF QUANTIZATION MATRIX IN ENHANCEMENT LAYER

$\begin{smallmatrix} v \\ h \end{smallmatrix}$	1	2	3	4	5	6	7	8
1	16	16	18	16	16	16	16	16
2	16	18	16	16	16	16	16	16
3	18	16	16	16	16	16	16	16
4	16	16	16	16	16	16	16	16
5	16	16	16	16	16	16	16	16
6	16	16	16	16	16	16	16	16
7	16	16	16	16	16	16	16	16
8	16	16	16	16	16	16	16	16

FIG. 11

09783549 0523 0000

ZIGZAG SCAN

$\begin{matrix} h \\ v \end{matrix}$	1	2	3	4	5	6	7	8
1	1	2	6	7	15	16	28	29
2	3	5	8	14	17	27	30	43
3	4	9	13	18	26	31	42	44
4	10	12	19	25	32	41	45	54
5	11	20	24	33	40	46	53	55
6	21	23	34	39	47	52	56	61
7	22	35	38	48	51	57	60	62
8	36	37	49	50	58	59	63	64

FIG. 12

EXAMPLE OF ADAPTIVE SCAN

$\begin{matrix} h \\ v \end{matrix}$	1	2	3	4	5	6	7	8
1	1	5	4	7	15	16	28	29
2	6	3	8	14	17	27	30	43
3	2	9	13	18	26	31	42	44
4	10	12	19	25	32	41	45	54
5	11	20	24	33	40	46	53	55
6	21	23	34	39	47	52	56	61
7	22	35	38	48	51	57	60	62
8	36	37	49	50	58	59	63	64

FIG. 13

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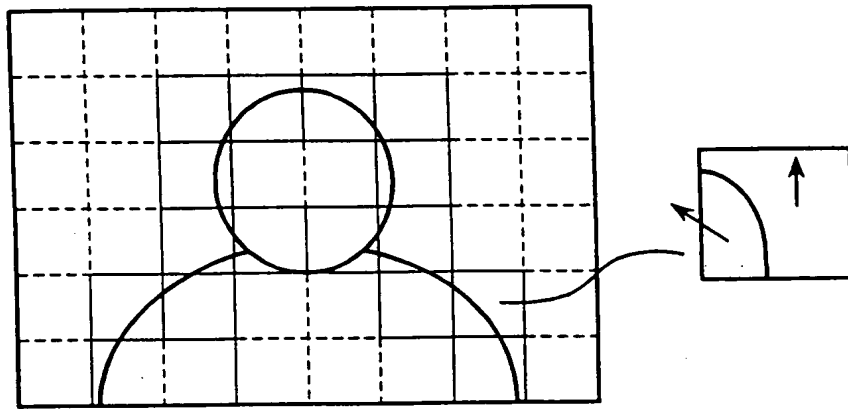


FIG. 14

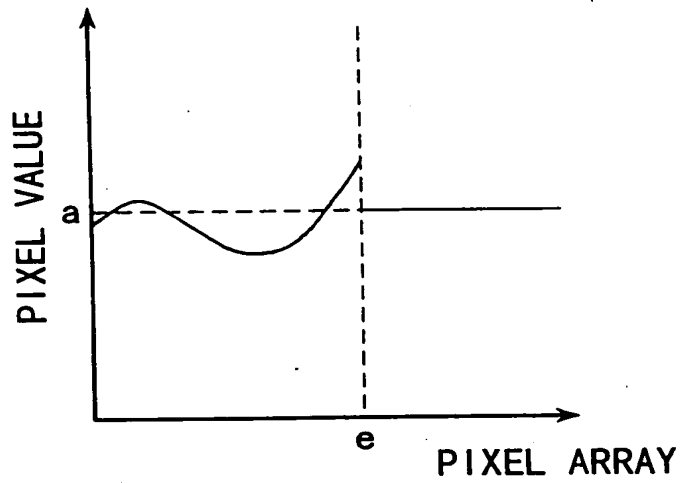


FIG. 16

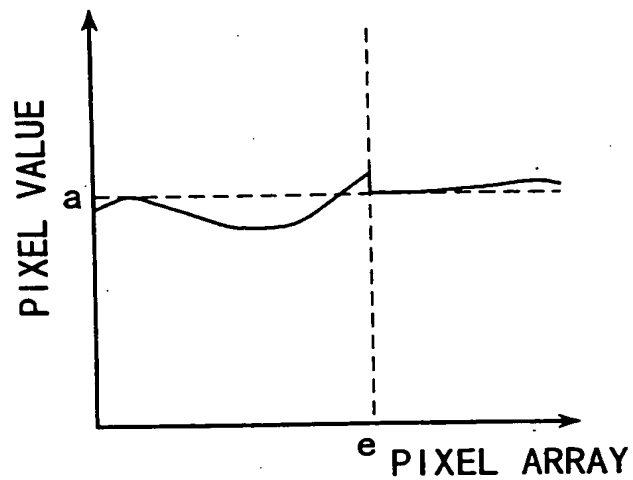


FIG. 17

FIG. 14

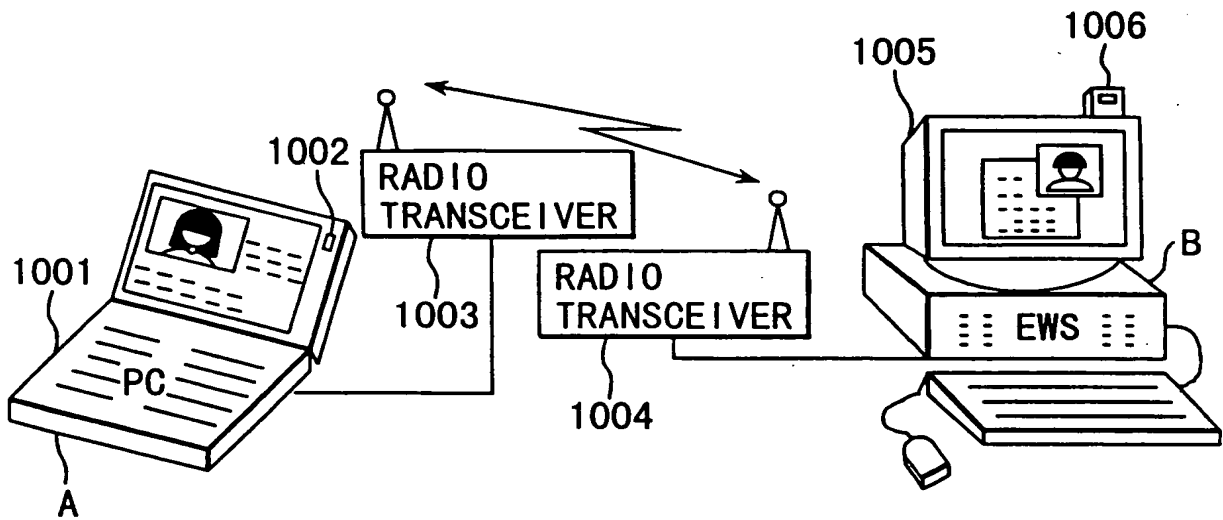


FIG. 15A

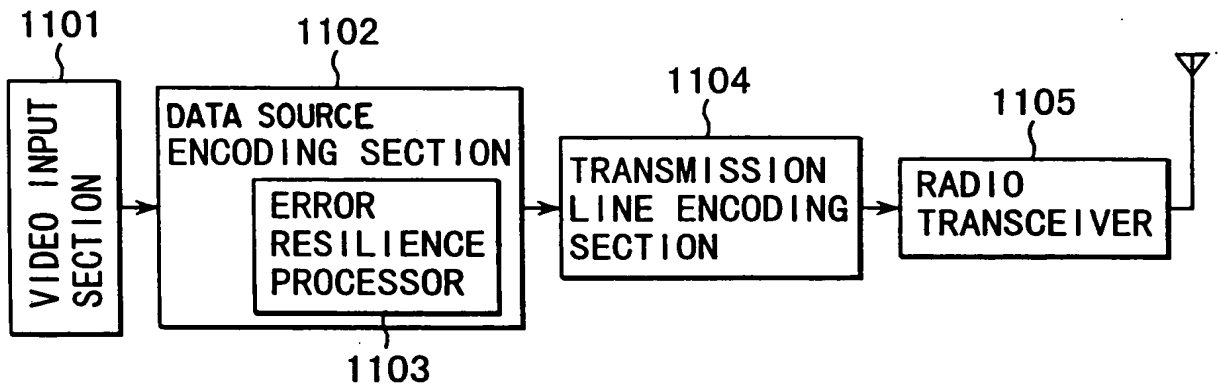


FIG. 15B

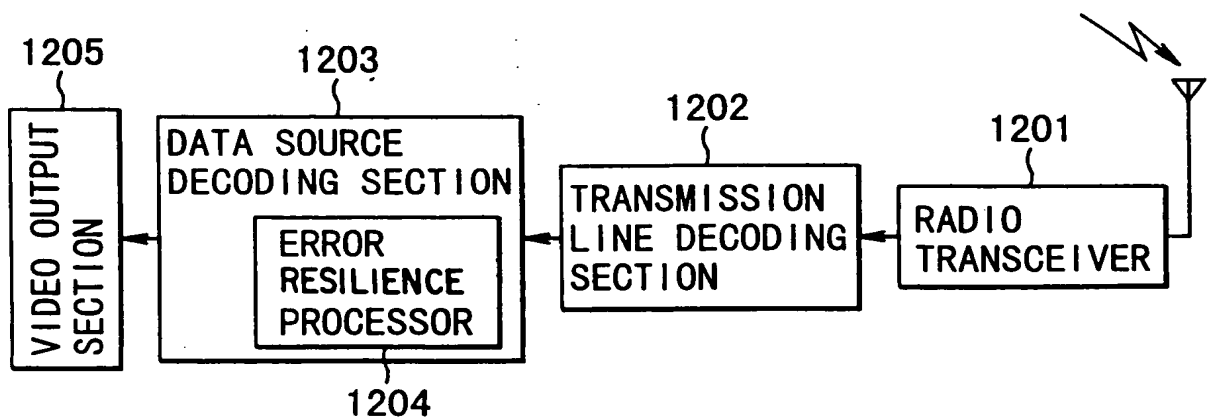


FIG. 15C

a	a	a	a	a	a	a	a
a	a	a	a	a	a	a	a
a	a	a	a	a	a	a	x ₁
a	a	a	a	a	a	a	x ₂
a	a	a	a	a	x ₄	x ₃	x ₉
a	a	a	x ₆	x ₅	x ₁₆	x ₁₃	x ₁₀
a	a	x ₇	x ₂₁	x ₁₉	x ₁₇	x ₁₄	x ₁₁
a	x ₈	x ₂₃	x ₂₂	x ₂₀	x ₁₈	x ₁₅	x ₁₂

FIG. 18

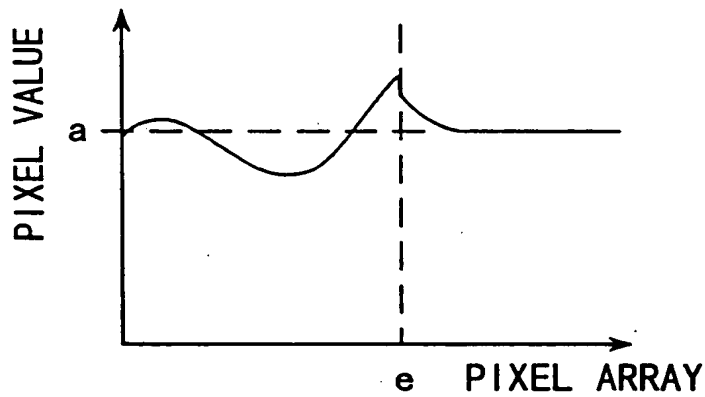


FIG. 19

a ₄₁	a ₃₉	a ₃₆	a ₃₂	a ₃₁	a ₂₅	a ₁₈	a ₁₀
a ₄₀	a ₃₇	a ₃₃	a ₂₇	a ₂₆	a ₁₉	a ₁₁	a ₁
a ₃₈	a ₃₄	a ₂₈	a ₂₁	a ₂₀	a ₁₂	a ₂	x ₁
a ₃₅	a ₂₉	a ₂₂	a ₁₄	a ₁₃	a ₄	a ₃	x ₂
a ₃₀	a ₂₃	a ₁₅	a ₆	a ₅	x ₄	x ₃	x ₉
a ₂₄	a ₁₆	a ₇	x ₆	x ₅	x ₁₆	x ₁₃	x ₁₀
a ₁₇	a ₈	x ₇	x ₂₁	x ₁₉	x ₁₇	x ₁₄	x ₁₁
a ₉	x ₈	x ₂₃	x ₂₂	x ₂₀	x ₁₈	x ₁₅	x ₁₂

FIG. 20

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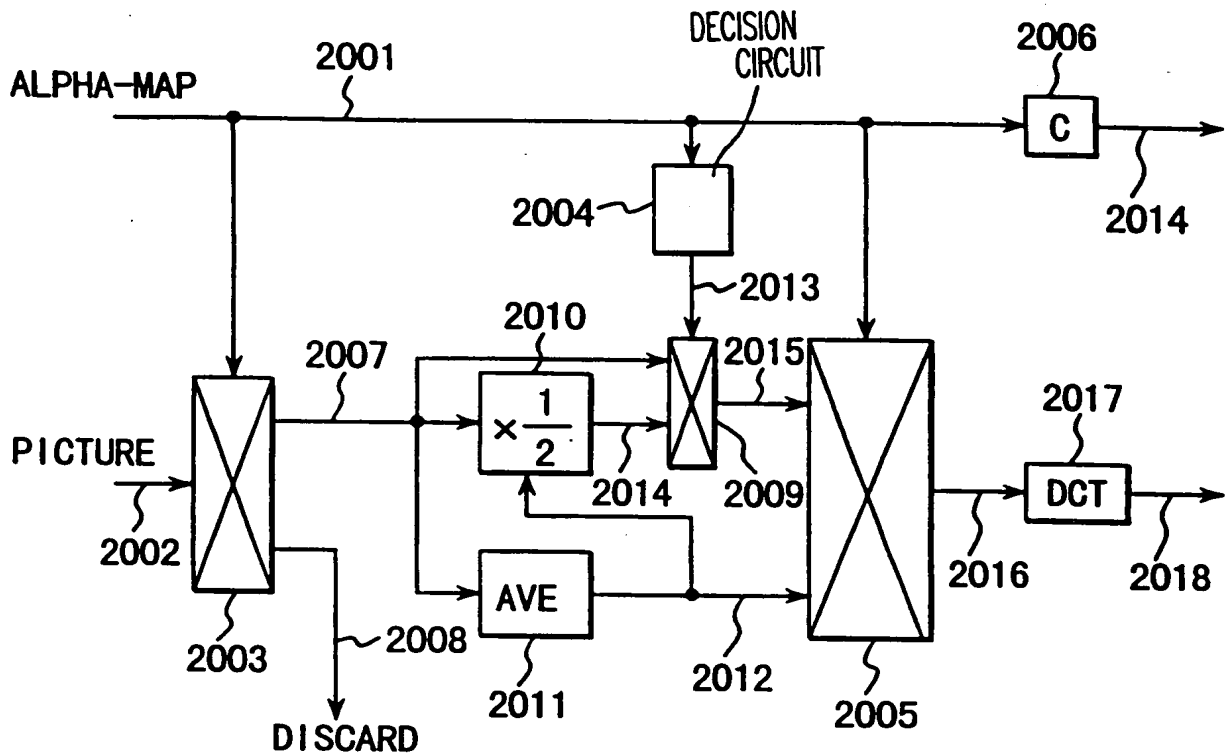


FIG. 21

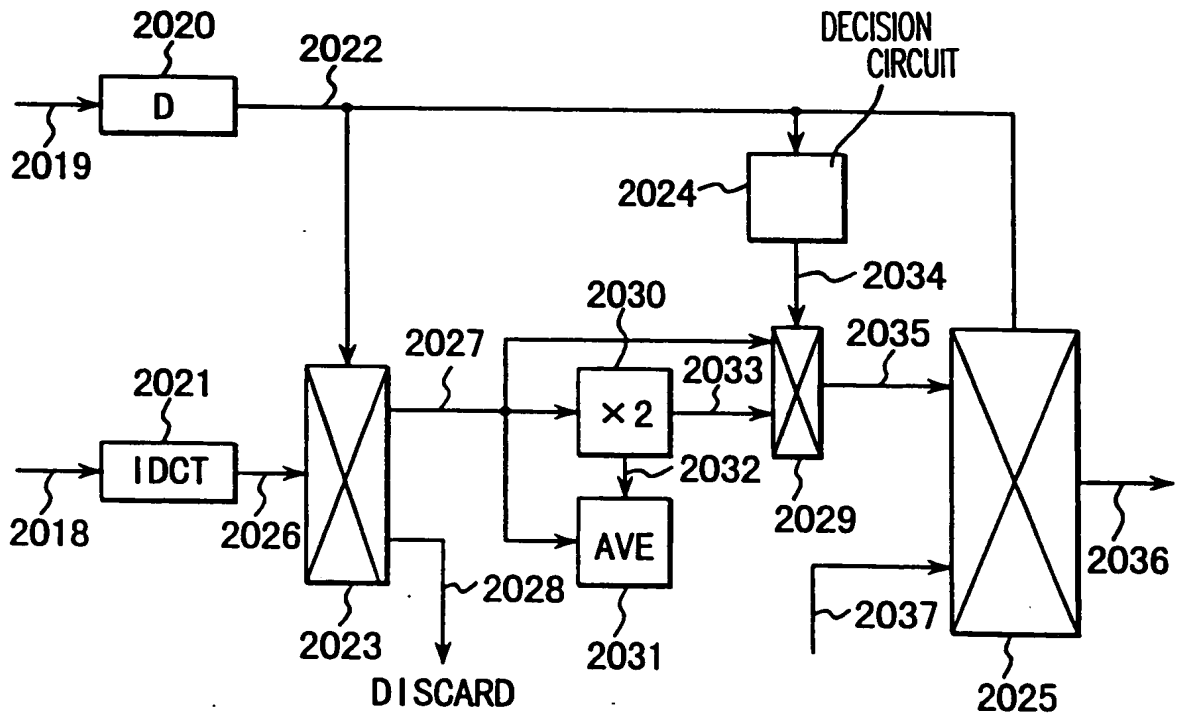


FIG. 22